North Yakima Conservation District
Evaluation Form for Selection of a Meter for
Pressurized Pipe Meters

This form is to be completed by vendor or its representative and submitted with cost-share application. The conservation district will review and verify information and installation by initialing each item.

1. Name of Business _____assessing the system for
   Water Right Holder/User (name) _____

2. Date and time _____

3. Water Right(s) Number(s) _____
   _____

4. Name of individual assessing the system _____

   Individual works for business ☐ Yes ☐ No. Attach a statement of qualifications to assess a system and recommend a metering system.

5. Name of diversion/withdrawal (example – Well #2) _____
   _____

6. Is any water diverted out of the system before water is measured? Yes ☐ No ☐ If Yes, is the amount small, such as household use? Yes ☐ No ☐ If Yes, describe _____
   _____
   If No, describe _____
   _____

7. What are the conditions of the water over a season of use (can affect the type of meter installed) Clean, problems with sediment, sediment-laden early and clearing up later, etc. Describe: _____
   _____
   _____

8. What is the minimum amount of water the user will pump? _____

9. What is the maximum amount of water the user will pump? _____

10. Latitude/longitude of (to be completed by vendor or conservation district using NAD 83 datum):
    Diversion/withdrawal _____
    Meter _____

11. Describe location of Meter _____
    _____

12. What is the operating pressure of the system (high pressure can eliminate some meters)? _____
_____

13. Meter brand being considered _____

    a. Insertion magnetic meter ☐
    b. full pipe magnetic meter ☐
    c. sonic flow meter ☐
    d. doppler meter ☐
    e. propeller meter ☐
    f. positive displacement ☐
    g. multi-jet ☐
    h. single-jet ☐
    i. other (describe) _____

14. Will a data-logger be used to record water use? Yes ☐ No ☐. If Yes, is it an integral part of the meter? Yes ☐ No ☐. If No, and a data-logger will be used, what is the brand name of the data-logger? _____

15. Type of pipe (cast, Schedule 40, steel, etc.) _____

16. Dimensions of the pipe: Outside diameter _____
    Inside diameter _____
    Circumference _____

17. Is the pipe lined? Yes ☐ No ☐ type of liner _____

18. Will the type of liner eliminate some types of meters? Yes ☐ No ☐ what types? _____
_____

19. Any valves, welds, elbows, before and after the meter that could cause turbulent flow within the pipe that could affect accuracy of the meter? Yes ☐ No ☐ Describe: _____
_____

20. At the location of the meter, how many unobstructed diameters of straight pipe are available (obstructions can be valves, elbows, welds, bends, etc):
    i. before water is measured by the meter? _____
    ii. after the water passes through the meter? _____
    iii. straight pipe specifications (see meter installation instructions) before _____ after _____

21. If there is not enough straight pipe available, could the flow of water be conditioned to correct for not having enough straight pipe available, or to condition the flow for turbulence caused by other factors, such as a valve being too close, etc. _____

22. Is flow conditioning being recommended? Yes ☐ No ☐ If Yes, describe (for example, straightening vanes) _____
_____

23. Meter type recommended:
    a. Insertion magnetic meter ☐
    b. full pipe magnetic meter ☐
    c. sonic flow meter ☐
    d. doppler meter ☐
    e. propeller meter ☐
    f. positive displacement ☐
    g. single jet ☐
    h. multi-jet ☐
    i. other (describe) _____

24. Will the recommended meter measure the full range of flows pumped, except for very small volumes? Yes ☐ No ☐ Describe very small volumes involved (for example, household use):
    _____
    _____

25. Provide a sketch or drawing of the proposed design/installation